

Agricultural Waste Management

Greene County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
4: Knoke-----	95	Very limited Depth to saturated zone Leaching limitation Restricted permeability	1.00 0.70 0.30	Very limited Depth to saturated zone Restricted permeability	1.00 0.22	Very limited Depth to saturated zone Restricted permeability	1.00 0.22
6: Okoboji-----	95	Very limited Depth to saturated zone Leaching limitation Restricted permeability	1.00 0.70 0.30	Very limited Depth to saturated zone Restricted permeability	1.00 0.22	Very limited Depth to saturated zone Restricted permeability	1.00 0.22
27B: Terril-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
27C: Terril-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.91 0.02
28B: Dickman-----	95	Very limited Filtering capacity Leaching limitation Too acid	1.00 0.45 0.01	Very limited Filtering capacity Too acid	1.00 0.03	Very limited Filtering capacity Too steep for surface application Too acid	1.00 0.08 0.03
28C2: Dickman-----	95	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00

FIELD OFFICE TECHNICAL GUIDE Sec. II
WASTE DISPOSAL INTERPRETATIONS

Agricultural Waste Management

Greene County, Iowa

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34: Estherville-----	100	Leaching limitation	0.45	Too acid	0.14	Too steep for surface application	0.91
		Too acid	0.03			Too acid	0.14
						Too steep for sprinkler application	0.02
		Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Droughty	0.52	Droughty	0.52	Droughty	0.52
34B: Estherville-----	90	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Droughty	0.52	Droughty	0.52	Droughty	0.52
						Too steep for surface application	0.08
34C2: Estherville-----	90	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Droughty	0.52	Droughty	0.52	Too steep for surface application	0.91
						Droughty	0.52
						Too steep for sprinkler application	0.02
34D2: Estherville-----	90	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Too steep for surface application	1.00
		Slope	0.84	Slope	0.84	Filtering capacity	1.00
		Droughty	0.52	Droughty	0.52	Too steep for sprinkler application	0.89
						Droughty	0.52

FIELD OFFICE TECHNICAL GUIDE Sec. II
WASTE DISPOSAL INTERPRETATIONS

Agricultural Waste Management

Greene County, Iowa

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
48: Knoke-----	95	Very limited Depth to saturated zone Leaching limitation Restricted permeability	1.00 0.70 0.30	Very limited Depth to saturated zone Restricted permeability	1.00 0.22	Very limited Depth to saturated zone Restricted permeability	1.00 0.22
55: Nicollet-----	85	Somewhat limited Depth to saturated zone	0.02	Somewhat limited Depth to saturated zone	0.02	Somewhat limited Depth to saturated zone	0.02
62C2: Storden-----	85	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	 0.91 0.02
62D2: Storden-----	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application Too steep for sprinkler application	 1.00 0.77
62E2: Storden-----	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application Too steep for sprinkler application	 1.00 1.00
62F: Storden-----	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	 1.00

FIELD OFFICE TECHNICAL GUIDE Sec. II
WASTE DISPOSAL INTERPRETATIONS

Agricultural Waste Management

Greene County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for sprinkler application	1.00
62G: Storden-----	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
90: Okoboji-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Leaching limitation	0.70	Restricted permeability	0.22	Restricted permeability	0.22
		Restricted permeability	0.30				
95: Harps-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Leaching limitation	0.70				
107: Webster-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Leaching limitation	0.70				
108: Wadena-----	90	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
108B: Wadena-----	90	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00

FIELD OFFICE TECHNICAL GUIDE Sec. II
WASTE DISPOSAL INTERPRETATIONS

Agricultural Waste Management

Greene County, Iowa

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for surface application	0.08
108C2: Wadena-----	95	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
						Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
135: Coland-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Leaching limitation	0.70	Flooding	1.00	Flooding	0.60
		Flooding	0.60				
138B: Clarion-----	85	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
138B2: Clarion-----	85	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
138C: Clarion-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
138C2: Clarion-----	85	Not limited		Not limited		Somewhat limited	

Agricultural Waste Management

Greene County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
138D2: Clarion-----	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
168G: Hayden-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
202: Cylinder-----	85	Very limited Filtering capacity Depth to saturated zone	1.00 0.43	Very limited Filtering capacity Depth to saturated zone	1.00 0.43	Very limited Filtering capacity Depth to saturated zone	1.00 0.43
203: Cylinder-----	90	Very limited Filtering capacity Depth to saturated zone	1.00 0.43	Very limited Filtering capacity Depth to saturated zone	1.00 0.43	Very limited Filtering capacity Depth to saturated zone	1.00 0.43
236B: Lester-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
236B2: Lester-----	90	Not limited		Not limited		Somewhat limited	

FIELD OFFICE TECHNICAL GUIDE Sec. II
WASTE DISPOSAL INTERPRETATIONS

Agricultural Waste Management

Greene County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for surface application	0.08
236C: Lester-----	90	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
236C2: Lester-----	90	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
236D: Lester-----	90	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited	
						Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
236D2: Lester-----	90	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited	
						Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
236E: Lester-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited	
						Too steep for surface application	1.00

FIELD OFFICE TECHNICAL GUIDE Sec. II
WASTE DISPOSAL INTERPRETATIONS

Agricultural Waste Management

Greene County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for sprinkler application	1.00
236F: Lester-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application Too steep for sprinkler application	1.00 1.00 1.00
256D2: Lester-----	60	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application Too steep for sprinkler application	1.00 0.77
Storden-----	30	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application Too steep for sprinkler application	1.00 0.77
256E2: Lester-----	55	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application Too steep for sprinkler application	1.00 1.00
Storden-----	35	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application Too steep for sprinkler application	1.00 1.00

FIELD OFFICE TECHNICAL GUIDE Sec. II
WASTE DISPOSAL INTERPRETATIONS

Agricultural Waste Management

Greene County, Iowa

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
256F: Lester-----	50	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application Too steep for sprinkler application	1.00 1.00
Storden-----	40	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application Too steep for sprinkler application	1.00 1.00
256G: Lester-----	45	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application Too steep for sprinkler application	1.00 1.00
Storden-----	45	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application Too steep for sprinkler application	1.00 1.00
258: Biscay-----	95	Very limited Depth to saturated zone Filtering capacity Leaching limitation	1.00 1.00 0.70	Very limited Depth to saturated zone Filtering capacity	1.00 1.00	Very limited Depth to saturated zone Filtering capacity	1.00 1.00
259: Biscay-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00

Agricultural Waste Management

Greene County, Iowa

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
307: Dundas-----	95	Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Leaching limitation	0.70				
		Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Leaching limitation	0.70	Restricted permeability	0.22	Restricted permeability	0.22
		Restricted permeability	0.30				
308: Wadena-----	90	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
308B: Wadena-----	90	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
						Too steep for surface application	0.08
325: Le Sueur-----	95	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43
383: Marna-----	90	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Leaching limitation	0.50				
385: Guckeen-----	95	Somewhat limited Restricted permeability	0.89	Somewhat limited Restricted permeability	0.78	Somewhat limited Restricted permeability	0.78
386: Cordova-----	90	Very limited		Very limited		Very limited	

Agricultural Waste Management

Greene County, Iowa

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458: Millington-----	95	Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Leaching limitation	0.50	Restricted permeability	0.22	Restricted permeability	0.22
		Restricted permeability	0.30				
		Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
485: Spillville-----	95	Flooding	1.00	Flooding	1.00	Flooding	1.00
		Leaching limitation	0.70				
485B: Spillville-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
		Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
506: Wacousta-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Leaching limitation	0.70				
507: Canisteo-----	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Leaching limitation	0.70				
508: Calcousta-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Leaching limitation	0.70				

Agricultural Waste Management

Greene County, Iowa

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566: Moingona-----	95	Not limited		Not limited		Not limited	
566C: Moingona-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.31
585B: Coland-----	65	Very limited Depth to saturated zone Leaching limitation Flooding	1.00 0.70 0.60	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding Too steep for surface application	1.00 0.60 0.01
Spillville-----	35	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
638C2: Clarion-----	60	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.91 0.02
Storden-----	25	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.91 0.02
638D2: Clarion-----	50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00

FIELD OFFICE TECHNICAL GUIDE Sec. II
WASTE DISPOSAL INTERPRETATIONS

Agricultural Waste Management

Greene County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for sprinkler application	0.77
Storden-----	30	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited	
						Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
638E2: Clarion-----	40	Very limited Slope	1.00	Very limited Slope	1.00	Very limited	
						Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
Storden-----	40	Very limited Slope	1.00	Very limited Slope	1.00	Very limited	
						Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
639C2: Salida-----	45	Very limited Filtering capacity Droughty Leaching limitation	1.00 1.00 0.45	Very limited Filtering capacity Droughty	1.00 1.00	Very limited	
						Filtering capacity	1.00
						Droughty	1.00
						Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
Storden-----	35	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.91

FIELD OFFICE TECHNICAL GUIDE Sec. II
WASTE DISPOSAL INTERPRETATIONS

Agricultural Waste Management

Greene County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
639D2: Salida-----	45					Too steep for sprinkler application	0.02
		Very limited		Very limited		Very limited	
		Filtering	1.00	Filtering	1.00	Filtering	1.00
		capacity		capacity		capacity	
		Droughty	1.00	Droughty	1.00	Too steep for surface application	1.00
Storden-----	35						
		Slope	0.63	Slope	0.63	Droughty	1.00
		Leaching	0.45			Too steep for sprinkler application	0.77
		limitation					
		Somewhat limited		Somewhat limited		Very limited	
655: Crippin-----	90	Slope	0.63	Slope	0.63	Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
		Somewhat limited		Somewhat limited		Somewhat limited	
		Depth to	0.43	Depth to	0.43	Depth to	0.43
658: Mayer-----	95	saturated zone		saturated zone		saturated zone	
		Very limited		Very limited		Very limited	
		Depth to	1.00	Depth to	1.00	Depth to	1.00
		saturated zone		saturated zone		saturated zone	
		Filtering	1.00	Filtering	1.00	Filtering	1.00
659: Mayer-----	95	capacity		capacity		capacity	
		Leaching	0.70				
		limitation					
		Very limited		Very limited		Very limited	
		Depth to	1.00	Depth to	1.00	Depth to	1.00
		saturated zone		saturated zone		saturated zone	
		Filtering	1.00	Filtering	1.00	Filtering	1.00
		capacity		capacity		capacity	
		Leaching	0.70				
		limitation					

Agricultural Waste Management

Greene County, Iowa

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733: Calco-----	90	Very limited Depth to saturated zone Leaching limitation Flooding	1.00 0.70 0.60	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 0.60
878: Ocheyedan-----	90	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too acid	0.07
878B: Ocheyedan-----	90	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid	0.08 0.07
878B2: Ocheyedan-----	90	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too acid	0.07
878C2: Ocheyedan-----	100	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	0.91 0.07 0.02
879: Fostoria-----	95	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Depth to saturated zone	0.43
1048: Knoke-----	100	Very limited Depth to saturated zone Leaching limitation Restricted permeability	1.00 0.70 0.30	Very limited Depth to saturated zone Restricted permeability	1.00 0.22	Very limited Depth to saturated zone Restricted permeability	1.00 0.22

Agricultural Waste Management

Greene County, Iowa

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1135: Coland-----	90	Very limited Depth to saturated zone Flooding Leaching limitation	1.00 1.00 0.70	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 1.00
1308: Wadena Variant-----	95	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
1585: Coland-----	70	Very limited Depth to saturated zone Flooding Leaching limitation	1.00 1.00 0.70	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 1.00
1585B: Coland-----	70	Very limited Depth to saturated zone Flooding Leaching limitation	1.00 1.00 0.70	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 1.00
2315: Fluvaquents-----	45	Very limited Depth to saturated zone Flooding Runoff limitation	1.00 1.00 0.40	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 1.00
Coland-----	35	Very limited Depth to saturated zone Flooding Leaching limitation	1.00 1.00 0.70	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 1.00
5010: Pits-----	100	Not rated		Not rated		Not rated	

Agricultural Waste Management

Greene County, Iowa

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
5020: Pits-----	100	Not rated		Not rated		Not rated	
5040: Orthents-----	100	Not rated		Not rated		Not rated	
5041: Udorthents-----	100	Not rated		Not rated		Not rated	
W: Water-----	100	Not rated		Not rated		Not rated	